

Notice of Allowability

Application No.

09/771,519

Examiner

Jeffrey A. Smith

Applicant(s)

LIU ET AL.

Art Unit

3625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 6/6/06.
2. ☒ The allowed claim(s) is/are 1-13, 15-33, 35-53 and 55-63, 65-67.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

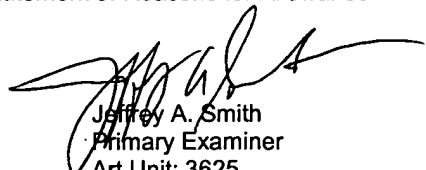
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Jeffrey A. Smith
Primary Examiner
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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the Title

The title has been amended to read as follows:

--Method, apparatus, and article of manufacture for
executing a statement to manipulate data--

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Regarding claim 1

The prior art of record neither anticipates nor fairly and reasonably teaches a method for executing a statement to manipulate data stored in a data store connected to a computer comprising, *inter alia*: in response to the receipt of the statement for the transaction, automatically generating a private catalog for the transaction to record information about the objects; and using the private catalog during the transaction to access the objects, wherein the generating of the private catalog comprises filling in records of the private catalog only with information that relates to tables accessed by the transaction and wherein the private catalog records that relate to tables not accessed by the transaction remain unfilled.

Regarding claims 21 and 41

Claims 21 and 41 recite an apparatus and article of manufacture having limitations which parallel those recited in claim 1 and are allowable for similar reasons.

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Regarding claim 61

The prior art of record neither anticipates nor fairly and reasonably teaches a method for executing a statement to manipulate data stored in a data store connected to a computer comprising, *inter alia*: in response to the receipt of the statement, automatically generating a private copy of system information for said at least one object; accessing the at least one object in the data store based on information in the generated private copy, wherein the private copy of the system information is a catalog table partially filled in only with the system information about said at least one object.

The most remarkable prior art of record is to Couch (U.S. Patent No. 6,631,381 B1).

Although Couch discloses a method similar to that recited in the claims, Couch does not disclose that the generating of the private catalog comprises filling in records of the private catalog only with information that relates to tables accessed by the transaction and wherein the private catalog records that relate to tables not accessed by the transaction remain unfilled (as per claims 1, 21, and 41). Similarly, Couch does not disclose that the private copy of the system information is a

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catalog table partially filled in only with the system information about said at least one object (as per claim 61).

The Examiner notes that Couch is not available as prior art under 35 USC 103(c) (see "Remarks" at pages 6-7 filed May 8, 2006) and no other reference either alone or in combination teaches the combination of steps recited in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

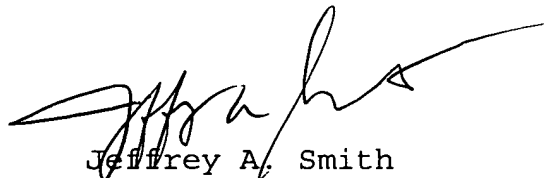
Barker et al. (EP 332556 A2) discloses an interchange object data base index.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey A. Smith whose telephone number is (571) 272-6763. The examiner can normally be reached on M-F 6:30am-6:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert M. Pond can be reached on 571-272-6760. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'Jeffrey A. Smith', is written over the printed name and title.

Jeffrey A. Smith
Primary Examiner
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